													** D			
<u> </u>				8				1					Sheet 1 of	1		
FORM PTO						C	OM	M	EPARTME ERCE	·	ATTY. DO 50001/8	OCKET NO. 4:2	APPLICATION NO. 10/077,691			
(REV. 7-80) PATENT OFFICE										RADEMARK	APPLICAN Mark U	NT nrath et al.				
MAY 0 6 2002									OSURE Cl		FILING DA	ате у 15, 2002	GROUP 2874			
EXAMINER EXAMINER	É								U.S	. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING D IF APPROPI			
BAA	AA	5	9	4	6	1	5	2	Aug 1999	Baker	359	872				
DIA	AB	5	8	4	7	9	6	0	Dec 1998	Cutler et al.	364	474.29				
DDA	AC	5	7	9	8	9	2	7	Aug 1998	Cutler et al.	364	474.3				
DOA	AD	5	7	5	1	5	8	5	May 1998	Cutler et al.	364	474.03				
DSCI	AE	5	4	5	2	2	7	5	Sep 1995	Ogawa	369	44.11				
MAC	AF	5	2	6	2	7	0	7	Nov 1993	Okazaki et al.	318	592				
DISA	AG	5	1	2	6	6	4	8	Jun 1992	Jacobs	318	640				
DIA	AH	4	9	4	1	0	8	2	Jul 1990	Pailthorp et al.	364	167.01				
DISA	ΑI	4	5	4	4	8	8	9	Oct 1985	Hendriks et al.	324	158 P				
DIA	AJ	4	5	3	2	4	0	2	Jul 1985	Overbeck	219	121 LU				
	AK															
		•	•						FOREIC	GN PATENT DOCUMEN	TS					
													TRANSLA	ATION		
·		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	YES	NO		
	AL															
	AM															
	AN															
	AO															
•	AP															
	4.			го	HE	ER	DO	CL	JMENTS (Inc	cluding Author, Title, Dat	e, Pertinent P	ages, etc.)				
	ΔP	"	"Precision Fast Steering Mirrors," Ball Aerospace & Technologies Corp., Bolder, CO, ©1999, pp. 1-3.													
DSO DSO	AR Treesson rast seering winters, Ban Aerospace & Teenhologies eerp., Belder, ee, 1999, pp.															
A 1 -	AS	"	"S-330 QxQy Ultra-Fast Piezo Tip/Tilt Platforms," Physik Instrumente (PI) GmbH & Co., Karlsruhe,													
NAG		G	Germany, printed 2/5/02 from www.physikinstrumente.com/pztactiveoptics/3_10.html, pp.1-5.													
	AT															
EXAMINER	Den	w	Û	,		- (A	U	len		DATE CO	ONSIDERED (6/26/0	3		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<u>, .</u>										COPY OF PAP ORIGINALLY F	ILED		Sheet 1 of	1	
FORM PTO-1449 IP U.S. DEPARTMENT OF											ATTY. DO 50001/84		APPLICATION NO. 10/077,691		
COMMERCE REV. 7-80 JUN 27200 PATENT AND TRADEMARK OFFICE										APPLICANT Mark Unrath et al.					
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)												ATE y 15, 2002	GROUP 2874		
									U.S	S. PATENT DOCUMENTS					
KAMINER ITIAL			DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
C)10	AA	6	0	8	8	1	0	7	Jul 2000	Livingston	356	375			
DIA	AB	5	6	7	3	1	1	0	Sep 1997	Erickson et al.	356	357			
,	AC		Γ												
	AD	T													
	AE			Γ											
	AF			Τ										Ŋ	
	AG		T	Γ								5	3 =	THE	
	AH		Ī				Γ						JUL OF TOT	W.	
	AI		Τ										ATE OF	•	
	AJ												JIL 05 Tol.	14.50	
	AK	1	T	T	T	Γ	Γ								
							1		FOREI	GN PATENT DOCUME	ENTS				
													TRANSLATION		
			DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	YES		
	AL			Τ	Ĭ										
	AM		T	T	1	T	T								
	AN	T	1	1		T	T								
	AO		T	T		T	T								
	AP	+	\dagger	†	T	T	T	T							
	1			0	rh:	ER	DC	C	UMENTS (Ir	ncluding Author, Title, D	ate, Pertinent I	Pages, etc.)			
	AR	T							•			•			
	AS	-													
	AT													<u> </u>	
XAMINER						1		1	Ven		DATE C	ONSIDERED	(0/20/	/	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.